

Questionnaire for Farmers Scale-up AgroNets in Kenya

The goal of this questionnaire is to investigate:

- experience with Greenhouse, Net Houses, etc
- key information to make the net product attractive: what would make it interesting, in terms of cost, features, package (only net or other), other related services, etc.
- where do they get inputs and services
- how do they usually fund investments (credit, grant programmes, other support, savings, chamas, etc)

Sampling (to be confirmed by AtoZ-TGDL)

- 11 counties targeted
- 20 farmers per county. Among them
 - 5 Greenhouse users
 - 2 AgroNets users (if possible AtoZ clients)
 - 5 having obtained agricultural loans (through MFIs, banks, Chamas, etc.)

Introduction

Name, date and place of participants to the interview.

Mention if interviewed is member of a group both project group and any other group)

Provide an introduction to the project and explain the goal of the interview, as to gather critical information:

- on agricultural stakeholders and their connections,
- on agriculture and horticulture sectors,
- on main programmes and initiatives in the two sectors (including promotion of greenhouses)
- and on preferences of farmers and other stakeholders,

in order to scale up the use of AgroNETs in Kenya

Methodology

The questionnaire is written in English, and with a rather standardized vocabulary. Please, adapt questions and option for answer to an understandable vocabulary for the person being interviewed. Provide explanation on unclear questions, and ask for support from TGDL (Jeremiah / Joseph) or Microfinanza Srl (Marco) if some issues prove difficult to be explained

Questions follow a logical order. Sub-questions depend of the answer on the first questions (example yes/no question, and then “if yes” and “if no” sub-questions), and often you are supposed to fill in only one of the sub-questions. Please, check it before asking the question to the interviewee

Generally speaking, do not prompt the potential answers when asking for opinion or explanation. However, try to fit the answer with one of the proposed solutions, and use the “other – explain” when something actually different is mentioned

When appropriate, use the cell on the right for comments or integrations to the questionnaire, like the “other – explain” option.

When introducing the issue on the AgroZ net house Technology, please keep some pictures with you and show them to the interviewee, when this is necessary to facilitate the discussion

The questionnaire has some five sections: section 1, 2 and 5 apply to all farmers that have been interviewed. Section 3 should be asked only to those farmers having experience with GreenHouses, and section 4 applies only to those farmers having experience with net houses. PLEASE, KEEP IN MIND TO FILL IN ALSO SECTION 5, after having skipped section 3 or 4 (or both) according to the experience of the farmer

- Context, experience and market
 - All farmers
 - introducing the farmer: his plot, activity and access to market
- Financial strategies and investments
 - All farmers
 - checking if the farmer is ready to invest, and what is the preferred for of financing
- Greenhouse use
 - Only for greenhouse users
 - Checking the performance and appreciation of the greenhouse, and attitude to further investment
- AtoZ former clients – AgroNet users
 - Only for former clients of AtoZ having an net
 - Checking the performance and appreciation of the nethouse, and attitude to further investment
- Financial habits and preferences
 - All farmers
 - A final section, investigating the experiences with savings and loans

Index

Introduction.....	3
Information on the farmer and the household	3
Section 1 – CONTEXT, EXPERIENCE and MARKET.....	3
Plot.....	3
Farming.....	4
Equipment and services	4
Market	5
Section 2 - FINANCIAL STRATEGIES AND INVESTMENTS.....	7
Section 3 - FARMER WITH EXPERIENCE IN GREENHOUSE.....	9
Introduction.....	9
Performance	9
Perspective	10
Section 4 - Agro Z CLIENTS or NET HOUSE USERS	11
Approach	11
Agroz NET experience.....	11
Performance	12
Perspective	12
Section 5 - FINANCIAL HABITS AND PREFERENCES	14
Financial habits and experience	14
Preferences.....	16

Interviewee's Name	Mobile. N

Introduction

Information on the farmer and the household		
N.	Question	Answer
A	Gender	<input type="radio"/> Male <input type="radio"/> Female
B	Age	<input type="radio"/> 15-25 <input type="radio"/> 25-35 <input type="radio"/> 35-45 <input type="radio"/> 45-55 <input type="radio"/> More than 55 years old
C	County	
D	Subcounty	
E	N. Of people in the household (head and dependants together)	
F	N. Of people providing regular income to the household	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> More than 2
G	Sources of income (other than agriculture)	<input type="radio"/> Salary <input type="radio"/> Business activity <input type="radio"/> Commerce <input type="radio"/> Other – explain
H	What is the main source of income	<input type="radio"/> Agriculture <input type="radio"/> Other source Same importance

Section 1 – CONTEXT, EXPERIENCE and MARKET

- All farmers shall answer to this section
- Introducing the farmer: his plot, activity and access to market

Plot		
N.	Question	Answer
1.1	How's the plot location?	<input type="radio"/> Rural – isolated: far from a market and a major city <input type="radio"/> Rural, with easy access to a market <input type="radio"/> Peri-Urban – major city <input type="radio"/> Peri-Urban – Nairobi
1.2	How's access to the market?	<input type="radio"/> Local market, <input type="radio"/> Urban market <input type="radio"/> Rely on middlemen of agricultural products <input type="radio"/> Access to supermarkets <input type="radio"/> Access to export/exporters <input type="radio"/> Link to individual via internet or other means <input type="radio"/> Other – explain
1.3	How's access to water?	<input type="radio"/> Very good: regular irrigation with pumps or drip irrigation system <input type="radio"/> Good: regular access to water (irrigation or river) with no water saving systems <input type="radio"/> Fair: irregular access to water sources (irrigation, pumps or other sources) <input type="radio"/> Bad: the farmer relies only on rainfall
1.3.1	<ul style="list-style-type: none"> • If you pay for water, what are the charges 	<input type="radio"/> KSH per month forlitres

1.4	How big is the plot Acres	
Farming			
N.	Question	Answer	
1.5	What do you grow in your plot?	Crop <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <i>Add if necessary (use back of the sheet)</i>	Acres (if available) <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
1.6	Do you rotate crops?	<input type="radio"/> No <input type="radio"/> Yes – provide details
1.7	How many harvests can you make each year?	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> More than 3	
1.8	What's the estimated income per crop, per harvest, per season	Crop (mention crop and kg harvested) <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <input type="radio"/> / Kg <i>Add if necessary</i>	Income (in KSH) after selling harvest <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
1.9	Explain your pest management method	<input type="radio"/> Own production <input type="radio"/> Purchased on the market <input type="radio"/> Provided by the buyer/middleman <input type="radio"/> Biological pest control <input type="radio"/> Integrated Pest Management <input type="radio"/> Other – explain
1.9.1	• Do you know what Integrated Pest Management is?	<input type="radio"/> Yes <input type="radio"/> No	
1.10	Do you make soil testing	<input type="radio"/> Yes <input type="radio"/> No	
1.10.1	• If yes, what soil testing	<input type="radio"/> Only PH and EC <input type="radio"/> Complete	
Equipment and services			
N.	Question	Answer	
1.11	What are your main equipments?	<input type="radio"/> Greenhouse <input type="radio"/> AgroZ net house <input type="radio"/> Tractor/ other mechanical machines <input type="radio"/> Good storage facility <input type="radio"/> Other – explain
1.12	Where do you get agricultural extension services?	<input type="radio"/> Government <input type="radio"/> Association <input type="radio"/> Cooperatives <input type="radio"/> Peers and friends <input type="radio"/> Family <input type="radio"/> Other – explain

1.13	Where do you get labour force	<input type="radio"/> Association <input type="radio"/> Cooperatives <input type="radio"/> Peers and friends <input type="radio"/> Family <input type="radio"/> Casual labourers <input type="radio"/> Other – explain
1.14	How much do you spend, on average, every year the following inputs	<input type="radio"/> Pesticides:KSH per year <input type="radio"/> Seeds/seedlingsKSH per year <input type="radio"/> FertilizersKSH per year <input type="radio"/> Labour (contracted or casual)KSH per year <input type="radio"/> Machines (maintenance or rent:KSH per year <input type="radio"/> Services (testing and other)KSH per year <input type="radio"/> Other:KSH per year Describe

Market

N.	Question	Answer																
1.15	Preferred delivery channel (where do you sell your crops)? <i>Select the relevant option(s) and explain the conditions</i>																	
1.15.1	<ul style="list-style-type: none"> In the village 	<input type="radio"/> How long to need to get there? <input type="radio"/> How many days per week? <input type="radio"/> Average price per crop <i>Use the appropriate unit to measure the price of the crop (ex. Kg, box, crate, etc.)</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Crop</th> <th style="width: 30%;">Price (KSH/kg)</th> </tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> </table>	Crop	Price (KSH/kg)
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1.15.2	<ul style="list-style-type: none"> To middlemen of agricultural products 	<input type="radio"/> All harvest or part of it? <input type="radio"/> How many times per year? <input type="radio"/> Do you have a contract <input type="radio"/> Do you negotiate price before campaign or at harvest? <input type="radio"/> Average price per crop <i>Use the appropriate unit to measure the price of the crop (ex. Kg, box, crate, etc.)</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Crop</th> <th style="width: 30%;">Price (KSH/kg)</th> </tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> </table>	Crop	Price (KSH/kg)
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1.15.3	<ul style="list-style-type: none"> To supermarkets 	<input type="radio"/> How did you get introduced to the supermarket? <input type="radio"/> Number of days of credit you give to the supermarket <input type="radio"/> Average price per crop <i>Use the appropriate unit to measure the price of the crop (ex. Kg, box, crate, etc.)</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Crop</th> <th style="width: 30%;">Price (KSH/kg)</th> </tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> </table>	Crop	Price (KSH/kg)
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1.15.4	<ul style="list-style-type: none"> To individuals 	<input type="radio"/> How do you get in touch with them? <input type="radio"/> All products or some of them? <input type="radio"/> Average price per crop <i>Use the appropriate unit to measure the price of the crop (ex. Kg, box, crate, etc.)</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Crop</th> <th style="width: 30%;">Price (KSH/kg)</th> </tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td></tr> </table>	Crop	Price (KSH/kg)
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1.16	What's your main marketing strategy?	<ul style="list-style-type: none"> <input type="radio"/> No strategy <input type="radio"/> Just go to the market <input type="radio"/> Word of mouth <input type="radio"/> Internet <input type="radio"/> Radio, TV, newspaper, other advertising <input type="radio"/> Link and contracts with dealers, buyers, brokers, etc. <input type="radio"/> Other – explain
1.17	Which are the key middlemen of agricultural and horticultural products? <i>Please name 3, and provide a contact if possible</i>	<p>Name</p> <ul style="list-style-type: none"> <input type="radio"/> <input type="radio"/> <input type="radio"/> 	<p>Contact</p> <ul style="list-style-type: none"> <input type="radio"/> <input type="radio"/> <input type="radio"/>
1.17.1	<ul style="list-style-type: none"> • What is their influence on the local market 	<ul style="list-style-type: none"> <input type="radio"/> High influence: they can set prices and most of choices by farmers <input type="radio"/> Medium influence: they can influence some prices, and they can influence agricultural practice (like small investments) <input type="radio"/> Medium/low influence: they can play a role in market choices of farmers (type of products, pesticides, etc.), or they demotivate farmers <input type="radio"/> Low influence: they accept others' choice, do not influence them 	
1.18	Are you giving credit to the middlemen	<ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No 	
1.18.1	<ul style="list-style-type: none"> • If yes, how many days 	<input type="radio"/> Days	
1.18.2	<ul style="list-style-type: none"> • Have you ever lost your money because a middleman disappeared? 	<ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No 	
1.19	Would you be interested to bring your products directly to the consumers	<ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No 	
1.19.1	<ul style="list-style-type: none"> • If yes, how 	<ul style="list-style-type: none"> <input type="radio"/> Through a shop <input type="radio"/> Building a cooperative <input type="radio"/> Via internet 	
1.20	If you produce more, do you think that you could sell more?	<ul style="list-style-type: none"> <input type="radio"/> Yes, there's huge demand in the country compared to production <input type="radio"/> Yes, but would sell more only if I produce more during the off season <input type="radio"/> It depends, I would sell more only if I include new delivery channels <input type="radio"/> It depends, I would sell more only if I change product I produce <input type="radio"/> No, to get more income I should diversify my activity (business, livestock, etc.) 	
2.9.1	<ul style="list-style-type: none"> • Which crops can be well sold if production increases? 	<ul style="list-style-type: none"> <input type="radio"/> <input type="radio"/> <input type="radio"/> 	<i>Mention up to 3 crops in order of importance</i>
1.20.1	<ul style="list-style-type: none"> • What delivery channel would help you sell more? 	<ul style="list-style-type: none"> <input type="radio"/> Reaching Nairobi <input type="radio"/> Reaching individuals with internet <input type="radio"/> Reaching big buyers like supermarkets or exporters <input type="radio"/> Having direct access to a shop <input type="radio"/> Other – explain

Section 2 - FINANCIAL STRATEGIES AND INVESTMENTS

- All farmers will answer to this section
- checking if the farmer is ready to invest, and what is the preferred for of financing

N.	Question	Answer
2.1	In order to get more income, what would be your first option?	<ul style="list-style-type: none"> <input type="radio"/> Opening a business (shop, saloon, other activity) <input type="radio"/> Get a job as public officer (teacher, etc.) <input type="radio"/> Get a job in a firm <input type="radio"/> Increase agricultural production <input type="radio"/> Start (or increase) livestock breeding <input type="radio"/> Other - explain
2.2	What's the first investment that you would like to make in agriculture?	<ul style="list-style-type: none"> <input type="radio"/> A tractor <input type="radio"/> An irrigation system <input type="radio"/> A GH, or a net, or a similar device <input type="radio"/> A storage facility <input type="radio"/> Improved seeds, pesticides, etc. <input type="radio"/> Livestock (incl. Poultry) <input type="radio"/> Other – explain
2.3	Do you have a plan or project for your farm?	<ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No
2.3.1	<ul style="list-style-type: none"> • If yes, which project?? 	<ul style="list-style-type: none"> <input type="radio"/> Yes, invest in mechanisation (incl. Irrigation) <input type="radio"/> Yes, invest in seeds and/or change crops <input type="radio"/> Yes, invest in marketing <input type="radio"/> Yes, buy more land <input type="radio"/> Other – explain
2.3.2	<ul style="list-style-type: none"> • What's the first option for getting the necessary money? 	<ul style="list-style-type: none"> <input type="radio"/> Save money for some time <input type="radio"/> Collect money in the Chama <input type="radio"/> Look for a sponsor <input type="radio"/> Make a collective investment with fellow farmers <input type="radio"/> Borrow money from a bank/financial institutions <input type="radio"/> Other – explain
2.3.3	<ul style="list-style-type: none"> • Please, explain your choice 	
2.4	Do you know what a net house is?	<ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No
2.4.1	<ul style="list-style-type: none"> • How did you hear about it? <p><i>don't prompt</i></p>	<ul style="list-style-type: none"> <input type="radio"/> Word of mouth <input type="radio"/> I saw on a field <input type="radio"/> Demo plots <input type="radio"/> Presentation and a farmers' day <input type="radio"/> Radio advertising <input type="radio"/> TV shows or similar <input type="radio"/> Internet <input type="radio"/> From agro-dealers <input type="radio"/> Other – explain
2.4.2	<ul style="list-style-type: none"> • Is the net house an interesting product? <p><i>don't prompt</i></p>	<ul style="list-style-type: none"> <input type="radio"/> I don't know what a net house is <input type="radio"/> Not at all <input type="radio"/> No, it's too expensive <input type="radio"/> Yes, but only if subsidized <input type="radio"/> Yes, but only if other services are included <input type="radio"/> Yes, but I don't have the resources <input type="radio"/> Yes, I would invest my money on it

2.5	If you would opt for a GH or net house, what kind of products is more interesting?	<ul style="list-style-type: none"> ○ 1 - Only the net ○ 2 - The net and the structure ○ 3 - The net, the structure, extension services and dripping irrigation ○ None of the above – No interest in the investment 	
2.5.1	<ul style="list-style-type: none"> ● How much would you be prepared to pay for each option? 	<ul style="list-style-type: none"> ○ Option 1 -KSH –<i>minimum and maximum amount</i> ○ Option 2 -KSH ○ Option 3 -KSH 	
2.5.2	<ul style="list-style-type: none"> ● When you think about other services, what would you prefer? <p><i>Don't prompt</i></p>	<ul style="list-style-type: none"> ○ Improved seeds/seedling, ○ Improved pesticides ○ Improved fertilizers ○ Organic products (fertilizers, pesticides, etc) ○ Technical assistance for the first harvest ○ Drip irrigation ○ None of the above ○ Other – explain <p>.....</p>	
2.6	Would you prefer to find the money or need a loan??	<ul style="list-style-type: none"> ○ I prefer save of find the necessary money from my resources ○ I would opt for a load 	
2.6.1	<ul style="list-style-type: none"> ● If prefer save of use own money 	<ul style="list-style-type: none"> ○ I can afford the investment with my own resources ○ I can find resources from sponsors ○ I can find money from friends, etc ○ I don't like borrowing money ○ It's too risky to borrow money ○ The return of the investment takes too much time for a loan ○ A formal loan is too paperwork, it's too complicated ○ Other – explain <p>.....</p>	
2.6.2	<ul style="list-style-type: none"> ● If you would opt for a loan, where? 	<ul style="list-style-type: none"> ○ From a bank/MFI ○ Through a Chama/group/other ○ From the supplier ○ From a dealer I trust ○ Other – explain <p>.....</p>	
2.6.3	<ul style="list-style-type: none"> ● If yes, how much upfront would you be ready to put 	<ul style="list-style-type: none"> ○ Less than 10% ○ 10-25% ○ 25-50% ○ More than 50% 	
2.6.4	<ul style="list-style-type: none"> ● How many months would you need to pay back 	<ul style="list-style-type: none"> ○ Less than 6 ○ 6-12 ○ 12-18 ○ More than 18 	
2.6.5	<ul style="list-style-type: none"> ● How long should a grace period be? 	<ul style="list-style-type: none"> ○ 1 month ○ 2-3 months ○ Till the first harvest ○ More than 6 months 	

Section 3 - FARMER WITH EXPERIENCE IN GREENHOUSE

- Only farmers having a greenhouse should answer these questions
- Checking the performance and appreciation of the greenhouse, and attitude to further investment

Introduction			
N.	Question	Answer	
3.1	When did you start with greenhouse?	○	<i>Mention the year, even though the answer is "one year ago" or similar</i>
3.2	Where did you get it	<input type="radio"/> My personal initiative <input type="radio"/> Through a public programme <input type="radio"/> Through my trusted buyer <input type="radio"/> Other – explain
3.3	Did you include other investments	<input type="radio"/> No <input type="radio"/> Improved seeds <input type="radio"/> Drip irrigation <input type="radio"/> Pump irrigation <input type="radio"/> Improved pesticides <input type="radio"/> Other – explain
3.4	What was the cost	○ KSH	(breakdown where appropriate)
3.4.1	<ul style="list-style-type: none"> • How did you cover the cost? 	<input type="radio"/> With my own money <input type="radio"/> With a loan <input type="radio"/> It was subsidized by a grant <input type="radio"/> I got it for free <input type="radio"/> Other - explain
3.4.2	<ul style="list-style-type: none"> • Please give some detail on how you financed the GH 		
Performance			
N.	Question	Answer	
3.5	How long have you been using the GH?	<input type="radio"/> Less than 6 months <input type="radio"/> Less than 1 year <input type="radio"/> 1-3 years <input type="radio"/> More than 3 years	
3.6	How big is your GH? <i>If options don't match, choose the closest</i>	<input type="radio"/> 8mx15m, <input type="radio"/> 8mx20m, <input type="radio"/> 8mx30m	<input type="radio"/> Up to 1 acre <input type="radio"/> More than 1 acre
3.7	Are you satisfied?	<input type="radio"/> Yes <input type="radio"/> No	
3.7.1	<ul style="list-style-type: none"> • Explain the good aspects 	<input type="radio"/> More harvest <input type="radio"/> Better quality <input type="radio"/> Lower costs <input type="radio"/> Other – explain	<i>Up to 2 answers available</i>
3.7.2	<ul style="list-style-type: none"> • Explain the bad aspects 	<input type="radio"/> Higher costs <input type="radio"/> Difficult humidity and heath management <input type="radio"/> Too much maintenance and repairs <input type="radio"/> Works only with adapted seedlings <input type="radio"/> No assistance <input type="radio"/> Bad harvest <input type="radio"/> Difficult pest control <input type="radio"/> Other – explain	<i>Up to 2 answers available</i>

3.8	Did you need to repair it?	<input type="radio"/> Yes <input type="radio"/> No	
3.8.1	<ul style="list-style-type: none"> • If yes <ul style="list-style-type: none"> ▪ What repairs? ▪ What price? 	Repair <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	Cost <input type="radio"/> KSH <input type="radio"/> KSH <input type="radio"/> KSH <input type="radio"/> KSH <input type="radio"/> KSH
3.9	Did the quantity of your harvest change?	<input type="radio"/> Less harvest <input type="radio"/> Same harvest <input type="radio"/> Bigger harvest	
3.10	Did the length of harvest period change?	<input type="radio"/> Shorter harvest period <input type="radio"/> Same harvest period <input type="radio"/> Longer harvest period	
3.11	Did your expense in pest control change?	<input type="radio"/> Increase <input type="radio"/> Same <input type="radio"/> Decrease	
3.12	Which crops grow better in a GH?	<input type="radio"/> <input type="radio"/> <input type="radio"/>	

Perspective

N.	Question	Answer	
3.13	Would you buy another GH?	<input type="radio"/> Yes <input type="radio"/> No	
3.13.1	<ul style="list-style-type: none"> • If yes 	<input type="radio"/> For another crop <input type="radio"/> To enlarge the existing one <input type="radio"/> Other – explain
3.13.2	<ul style="list-style-type: none"> • If no 	<input type="radio"/> One is enough <input type="radio"/> It's a bad investment <input type="radio"/> Other – explain
3.13.3	<ul style="list-style-type: none"> • If yes, would you buy the same GH, or a different one? 	<input type="radio"/> The same greenhouse <input type="radio"/> A smaller GH (up to 5x10) <input type="radio"/> A bigger GH <input type="radio"/> A different material for the structure <input type="radio"/> A different type of coverage (different plastic, mix of net and plastic, etc.) <input type="radio"/> Other explain
3.14	Would you like to renovate your GH?	<input type="radio"/> Yes <input type="radio"/> No	
3.14.1	<ul style="list-style-type: none"> • If yes 	<input type="radio"/> To get again a performing GH <input type="radio"/> To have a tunnel (mix plastic and net) <input type="radio"/> To have a net house <input type="radio"/> Other – explain
3.15	Would you buy a net house instead of a GH?	<input type="radio"/> Yes <input type="radio"/> No	
3.15.2	<ul style="list-style-type: none"> • If Yes 	<input type="radio"/> Explain
3.15.2	<ul style="list-style-type: none"> • If no 	<input type="radio"/> Explain

Section 4 - Agro Z CLIENTS or NET HOUSE USERS

- Only farmers having and AgroZ net house, or other net house, should answer to these questions
- Checking the performance and appreciation of the net house, and attitude to further investment

Approach			
N.	Question	Answer	
4.1	How long have you been client of AgroZ?	<input type="radio"/> Less than 6 months <input type="radio"/> 6-12 months <input type="radio"/> 1-3 years <input type="radio"/> More than 3 years	
4.2	How did you get to know of AgroZ?	<input type="radio"/> Friend <input type="radio"/> Advertising <input type="radio"/> Subsidized programme <input type="radio"/> AgroZ staff <input type="radio"/> Other – explain
4.2.1	<ul style="list-style-type: none"> • Which products did you buy? 	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
4.2.3	<ul style="list-style-type: none"> • Which products do you know? 	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
AgroZ NET experience			
N.	Question	Answer	
4.3	When did you start with AgroZ NET?	<input type="radio"/>	<i>Mention the year, even though the answer is “one year ago” or similar</i>
4.4	How big is your AgroZ NET?	<input type="radio"/> 8mx15m, <input type="radio"/> 8mx20m, <input type="radio"/> 8mx30m	
4.5	Where did you get it	<input type="radio"/> My personal initiative <input type="radio"/> Through a public programme <input type="radio"/> Through my trusted buyer <input type="radio"/> Other – explain
4.6	Did you include other investments	<input type="radio"/> No <input type="radio"/> Improved seeds <input type="radio"/> Drip irrigation <input type="radio"/> Improved pesticides <input type="radio"/> Other – explain
4.7	What was the cost	<input type="radio"/> KSH	(breakdown where appropriate)
4.7.1	<ul style="list-style-type: none"> • How did you cover the cost? 	<input type="radio"/> With my own money <input type="radio"/> With a loan <input type="radio"/> It was subsidized by a grant <input type="radio"/> I got it for free <input type="radio"/> Other - explain
4.7.2	<ul style="list-style-type: none"> • Please give some detail on how you financed the investment 		

Performance			
N.	Question	Answer	
4.8	How long have you been using the net?	<input type="radio"/> Less than 6 months <input type="radio"/> Less than 1 year <input type="radio"/> 1-3 years <input type="radio"/> More than 3 years	
4.9	How did you get the structure?	<input type="radio"/> AgroZ <input type="radio"/> Other provider <input type="radio"/> Previous GH <input type="radio"/> Other – explain
4.10	Are you satisfied?	<input type="radio"/> Yes <input type="radio"/> No	
4.11.1	<ul style="list-style-type: none"> Please, mention the good aspects 	<input type="radio"/> More harvest <input type="radio"/> Better quality <input type="radio"/> Lower costs <input type="radio"/> Other – explain	Up to 2 answers available
4.11.2	<ul style="list-style-type: none"> Please, mention the bad aspects 	<input type="radio"/> Higher costs <input type="radio"/> Too much maintenance and repairs <input type="radio"/> No assistance <input type="radio"/> Bad harvest <input type="radio"/> Difficult pest control <input type="radio"/> Other – explain	Up to 2 answers available
4.12	Did you need to repair it?	<input type="radio"/> Yes <input type="radio"/> No	
4.12.1	<ul style="list-style-type: none"> If yes <ul style="list-style-type: none"> What repairs? What price? 	Repair	Cost
		<input type="radio"/>	<input type="radio"/> KSH
		<input type="radio"/>	<input type="radio"/> KSH
		<input type="radio"/>	<input type="radio"/> KSH
		<input type="radio"/>	<input type="radio"/> KSH
4.13	Did the quantity of your harvest change?	<input type="radio"/> Less harvest <input type="radio"/> Same harvest <input type="radio"/> Bigger harvest	
4.14	Did the length of harvest period change?	<input type="radio"/> Shorter harvest period <input type="radio"/> Same harvest period <input type="radio"/> Longer harvest period	
4.15	Did your expense in pest control change?	<input type="radio"/> Increase <input type="radio"/> Same <input type="radio"/> Decrease	
4.16	Which crops grow better under a nethouse?	<input type="radio"/> <input type="radio"/> <input type="radio"/>	
Perspective			
N.	Question	Answer	
4.17	Would you buy another AgroZ net house?	<input type="radio"/> Yes <input type="radio"/> No	
4.17.1	<ul style="list-style-type: none"> If yes 	<input type="radio"/> For another crop <input type="radio"/> To enlarge the existing one <input type="radio"/> Other – explain
4.17.2	<ul style="list-style-type: none"> If no 	<input type="radio"/> One is enough <input type="radio"/> It's a bad investment <input type="radio"/> Other – explain
4.17.3	<ul style="list-style-type: none"> If yes, would you be interested in any of these modification? 	<input type="radio"/> A smaller Net House (up to 5x10) <input type="radio"/> A bigger Net House <input type="radio"/> A different material for the structure <input type="radio"/> Other explain

4.17.4	<ul style="list-style-type: none"> • If yes, would you pay an extra amount for extra services? 	<ul style="list-style-type: none"> ○ No ○ Yes, Installation and use, up to the first harvest ○ Yes, Training on pest control, including provision of pesticides ○ Yes, Irrigation system (pump or drip) ○ Yes, Free repairs for 12 months ○ Yes, Crop management training ○ Other – explain 	<p>.....</p>
4.18	<p>Are there support services that are unavoidable to run a Net House?</p>	<ul style="list-style-type: none"> ○ Yes ○ No 	
4.18.1	<ul style="list-style-type: none"> • If yes, which services? 	<ul style="list-style-type: none"> ○ Installation and use, up to the first harvest ○ Training on pest control, including provision of pesticides ○ Irrigation system (pump or drip) ○ Seedlings and planting material ○ Free repairs for 12 months ○ Crop management training ○ Other – explain 	<p><i>One answer only</i></p> <p>.....</p>

Section 5 - FINANCIAL HABITS AND PREFERENCES

- All farmers
- A final section, investigating the experiences with savings and loans

Financial habits and experience			
N.	Question	Answer	
5.1	Where do you keep your money? <i>Put into order of importance (1 to 3)</i>	<input type="radio"/> Keep at home <input type="radio"/> Buy livestock <input type="radio"/> Put in a bank account <input type="radio"/> Put into a Chama/SACCO <input type="radio"/> M-pesa / M-Shwari <input type="radio"/> No savings at all <input type="radio"/> Other – explain	N.1 – N.2 – N.3 -
5.2	Can you estimate how much you save in a week or a month?	<input type="radio"/> In a week:KSH <input type="radio"/> In a month:KSH <input type="radio"/> I can't estimate it	
5.2.1	Can you estimate how much you save at harvest time?	<input type="radio"/>KSH <input type="radio"/> I can't estimate it	
5.3	Are you member of any group?	<input type="radio"/> Yes <input type="radio"/> No	
5.3.1 A	<ul style="list-style-type: none"> • Yes, a Chama 	<input type="radio"/> How does it work? Please check: <ul style="list-style-type: none"> ▪ Frequency ▪ Existence of a leader ▪ Membership conditions 	<input type="radio"/> <input type="radio"/> <input type="radio"/>
B		<input type="radio"/> How much do you save regularly?	<input type="radio"/>KSH weekly/monthly
C		<input type="radio"/> How often can you get your money?	<input type="radio"/> Once a year <input type="radio"/> Twice a year <input type="radio"/> Every three months <input type="radio"/> More often than every three months
D		<input type="radio"/> What's the maximum amount that you can get	<input type="radio"/>KSH
E		<input type="radio"/> Did you ever lose your money	<input type="radio"/> Yes, once <input type="radio"/> Yes, more than once <input type="radio"/> No
5.3.2. A	<ul style="list-style-type: none"> • Yes, a SACCO 	<input type="radio"/> Can you get the money you need?	<input type="radio"/> No, usually I need more <input type="radio"/> No, usually I need more often <input type="radio"/> Yes
B		<input type="radio"/> How often can you get your money?	<input type="radio"/> Once a year <input type="radio"/> Twice a year <input type="radio"/> Every three months <input type="radio"/> More often than every three months <input type="radio"/> Any time I ask for it
C		<input type="radio"/> What's the maximum amount that you can get	<input type="radio"/>KSH
D		<input type="radio"/> Did you ever lose your money	<input type="radio"/> Yes, once <input type="radio"/> Yes, more than once <input type="radio"/> No
5.3.3 A	<ul style="list-style-type: none"> • Yes, a farmers group 	<input type="radio"/> What are the main services provided?	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
B		<input type="radio"/> Do you collect money, have an emergency fund, or give loans?	<input type="radio"/> Yes <input type="radio"/> No

5.3.3 A	<ul style="list-style-type: none"> • Yes, a Church group 	<input type="radio"/> What are the main services provided? <i>No need of too many details</i>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
B		Do you collect money, have an emergency fund, or give loans?	<input type="radio"/> Yes <input type="radio"/> No
5.3.4 A	<ul style="list-style-type: none"> • Yes, other – explain 	<input type="radio"/> Functioning	<input type="radio"/> <input type="radio"/> <input type="radio"/>
B		<input type="radio"/> Membership	<input type="radio"/>
C		<input type="radio"/> Financial services	<input type="radio"/> <input type="radio"/> <input type="radio"/>
5.4	Have you ever applied for a loan?	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/>
5.4.1	<ul style="list-style-type: none"> • If Yes 	<input type="radio"/> Obtained	<ul style="list-style-type: none"> ▪ name of Financial institution, ▪ type of expense (what for) ▪ duration, ▪ amount, etc.)
		<input type="radio"/> Refused	<ul style="list-style-type: none"> ▪ Explain reasons (guarantee, conditions, etc)
5.4.2	<ul style="list-style-type: none"> • If no 	<input type="radio"/> Never needed <input type="radio"/> I don't trust banks <input type="radio"/> I am scared from banks <input type="radio"/> I don't know how banks work <input type="radio"/> Financial institutions are too far from my workplace <input type="radio"/> Loan conditions are not appropriate for agricultural activity <input type="radio"/> Other – explain
		
5.4.3	<ul style="list-style-type: none"> • If you obtained a loan, how did you manage to reimburse? 	<input type="radio"/> Well reimbursed <input type="radio"/> Problems with reimbursements (sometimes) <input type="radio"/> Problems with reimbursements (often) <input type="radio"/> I did not manage to reimburse (at least for one of the loans that I received)	
5.5	Did you even get a financing from a dealer, buyer etc	<input type="radio"/> Yes <input type="radio"/> No	
5.5.1	<ul style="list-style-type: none"> • If Yes 	<input type="radio"/> My input supplier sells input and get paid at the harvest <input type="radio"/> An input supplier/agro dealer/ broker supported me for the crop campaign <input type="radio"/> My buyer provides me seeds and pesticides (contact farming) <input type="radio"/> My buyer provides advance payment to finance crop campaign (contract farming) <input type="radio"/> Other, explain
		
5.5.2	<ul style="list-style-type: none"> • If no 	<input type="radio"/> Please comment

Preferences			
N.	Question	Answer	
5.6	What would you appreciate as incentive for a net house loan? <i>Don't prompt</i>	<input type="radio"/> Lower interest rate <input type="radio"/> Longer reimbursement period <input type="radio"/> Associated technical assistance <input type="radio"/> I would never buy a net unless subsidized <input type="radio"/> Other - explain	(compared to standard agricultural loans)
5.7	Would you be interested in a financing programme for an AgroZ NET house?	<input type="radio"/> Possibility to pay in instalments to supplier of the AgroZ net house <input type="radio"/> Get the AgroZ net house and reimburse to a financial institution <input type="radio"/> Get the AgroZ net house and reimburse to a third actor (NGO, government, etc.) <input type="radio"/> Other - explain
5.8	Would you be ready to pay an interest rate?	<input type="radio"/> Yes <input type="radio"/> No	
5.8.1	<ul style="list-style-type: none"> • If Yes 	<input type="radio"/> Less than 10% yearly <input type="radio"/> 10-15% <input type="radio"/> 15-20% <input type="radio"/> More than 20%	
5.9	Would you be ready, and able, to provide any collateral?	<input type="radio"/> Yes <input type="radio"/> No	
5.9.1	<ul style="list-style-type: none"> • If Yes <i>Don't prompt</i>	<input type="radio"/> Some of my assets (tractor, etc.) <input type="radio"/> A moral guarantee from a third person <input type="radio"/> A financial guarantee from a third person <input type="radio"/> Blocked savings: keep an amount blocked in the bank during the repayment period <input type="radio"/> Other, explain
5.9.2	<ul style="list-style-type: none"> • If no, why 	<input type="radio"/>
5.10	What reimbursement is appropriate, on your opinion, for an AgroZ net house loan?	<input type="radio"/> Less than 3 months <input type="radio"/> 3-6 months <input type="radio"/> 6-12 months <input type="radio"/> 12-18 months <input type="radio"/> More than 18 months	